

Press release

New industrial machine “Stratego”: The C.C. Group’s quantum leap in metal finishing

Krefeld, 19. July 2019 The C.C. Group, one of the leading disposal and recycling specialists for incineration waste in Germany, is unveiling its new metal finishing machinery at its Krefeld site today.

With this groundbreaking technology, known as “Stratego”, the C.C. Group is set to perform a quantum leap in the recovery of raw materials from incineration slags. From now on, the company will be able to extract non-ferrous metals (NF metals) from incineration slag by type. “Stratego” can separate so-called light NF metals (mainly aluminum) contained in the slag from “heavy” NF metals (in particular: copper, gold, silver, platinum and palladium). Up until now, the C.C. Group could not separate light and heavy NF metals and thus had to return them to the economic cycle as one big mixture. The economic benefit of “Stratego” is that the C.C. Group can now market extracted metals directly to metal smelters.

Dieter Kersting, Managing Director of the C.C. Group, explains: “With “Stratego”, we are not only expanding our business model, but also making an even greater contribution to reducing CO2 emissions.” Both are important factors in customer satisfaction and corporate growth.

State-of-the-art technology launched with the support of strong partners

C.C. developed “Stratego” in cooperation with environmental engineers Hamburg-Umwelt-Recyclingtechnologien (H-U-R) GmbH, and the Hamburg University of Technology (TUHH)/ Institute of Environmental Technology and Energy Economics. The event today will open with an introduction to metal finishing by Markus Gleis, a senior advisor with the Federal Environment Agency in Dessau-Roßlau.

Dr. Jochen Hoffmeister, Head of the Waste & Secondary Raw Materials Division at Düsseldorf-based economic research facility, Prognos, will then talk about how significant the production standard achieved by C.C. is for the circular economy. He will also explain how “Stratego” helps to reduce CO2 levels, compared, for example, to the sourcing of low-grade ores and Bauxite, the main source of aluminum.

This will be followed by a talk by Prof. Dr. Kerstin Kuchta from the TUHH, explaining in detail how metallic raw materials can be sustainably recovered from incineration plants – and what part C.C. and “Stratego” will play in this.

“Stratego” completes C.C.'s service portfolio

Dr. Georg Rottländer, Project Lead for “Stratego” at C.C. Umwelt GmbH, says: “We are proud that today we are bringing to life a great idea and a big investment. “Stratego” will process all non-ferrous metals that are collected at our sites in Germany.” The C.C. Group will also be offering metal finishing services to other companies.

“Stratego” completes the C.C. Group's portfolio of waste disposal services, which includes activities in the municipal waste incineration industry; the recycling of filter dust and flue gas cleaning mass; as well as the processing and recycling of slags, which yields high-quality raw materials with valuable metals.

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About the C.C. Group

The C.C. Group was founded in 1969 and is part of the circular economy. With around 300 employees, the company operates sites in Krefeld, Würzburg, Hagen and Schwandorf. Its three business divisions are: the disposal and reprocessing of slag; the disposal of filter dust in safe underground storage sites; and the processing of mineral waste. C.C.'s customers include municipalities, towns, administration unions, waste incinerators, disposal companies, recycling specialists and construction companies. The latter, for example, use the qualities of slag processed by C.C. for large civil engineering projects, helping to conserve resources such as new sand and gravel. In 2019, C.C. is celebrating its 50th anniversary.